

Appl. No. 09/884,652
Amendment Dated Jan. 23, 2004
Reply to Office Action of Sep. 23, 2003

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (currently amended) A golf ball comprising:

a core having a diameter of about 1.45 to about 1.60 inches;

a cover disposed over said core, wherein said cover is a blend of polymers comprising:

a first polymer having a melt index of about 2 to 10 grams/10 min., a flexural modulus of 60,000 to 80,000 PSI, a Shore D hardness of about 60 to 70;

a second polymer comprising an ethylene/methacrylic acid/n-butyl acrylate copolymer having a melt index of about .2 to 2 grams/10 minutes, and,

a plurality of dimples arranged to coincide with a modified dodecahedron pattern comprising twelve pentagons subdivided by ten great circles free of dimples that form sixty triangles on said cover.

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Claim 2. (original) The golf ball of claim 1 wherein said first polymer is an olefin/unsaturated carboxylic acid copolymer.

duplicate

Claim 3. (original) The golf ball of claim 2 wherein said second polymer is an olefin/unsaturated carboxylic acid/n-butyl acrylate copolymer. *ethylene is an olefin*

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Claim 4. (original) The golf ball of claim 3 wherein said first polymer is an ethylene/methacrylic acid copolymer having about 17% to 21 % by weight of said methacrylic acid.

Claim 5. (original) The golf ball of claim 4 wherein said second polymer is an ethylene/methacrylic acid/n-butyl acrylate copolymer having about 10% to 14% by weight of methacrylic acid.

Claim 6. (original) The golf ball of claim 5 wherein said dimples are arranged to coincide with a plurality of pentagons, wherein said pentagons are formed from said dodecahedron pattern.

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Claim 7. (original) The golf ball of claim 6 wherein said dimples are arranged to coincide with a plurality of triangles, wherein said triangles further subdivide said pentagons.

Claim 8. (original) The golf ball of claim 7 wherein said dimples are arranged to coincide with a plurality of rows, wherein said rows further subdivide said triangles.

Claim 9. (original) The golf ball of claim 8 wherein said rows comprise:

91 a first row wherein said row is adjacent to an apex of said triangle;

a second row adjacent to said first row;

a third row adjacent to said second row wherein said second row lies between said first row and said third row.

Claim 10. (original) The golf ball of claim 9 wherein said dimples further comprise:

a first dimple arranged to coincide with said first row;

a second dimple arranged to coincide with said second row and said third row; and,

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a third dimple arranged to coincide with said third row.

Claim 11. (original) The golf ball of claim 10 wherein said dimples have a dual radius.

Claim 12. (original) The golf ball of claim 10 wherein said dimples have a depth of 0.005 to 0.007 inches.

Claim 13. (original) The golf ball of 10 wherein said first dimple has a diameter of 0.10 to 0.13 inches, wherein said second dimple has a diameter of 0.15 to 0.16 inches, and said third dimple 0.13 to 0.15 inches.

Claim 14. (original) The golf ball of claim 13 wherein said golf ball has 360 dimples.

Claim 15. (currently amended) The golf ball of claim 8 wherein said core has a weight from about 32 to about 40 grams ~~dimples are arranged to provide ten uninterrupted great circles paths free of dimples.~~

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Claim 16. (original) The golf ball of claim 11 wherein said dual radius dimples comprise a first radius of about 0.5 to 0.9 inches and a second radius of about 0.9 to 1.3 inches.

Claim 17. (original) The golf ball of 16 wherein said first polymer comprises 30% to 90% by weight and said second polymer 10% to 50% by weight of said cover.

Claim 18. (currently amended) A golf ball comprising:

a core having a weight from about 32 to about 40

grams;

a cover blend comprising:

a first polymer comprising an

ethylene/methacrylic acid copolymer having 19% by weight of acid, a melt index of about .2 to 10 grams/10 min., a flexural modulus of 60,000 to 80,000 PSI, a Shore D hardness of about 60 to 70; and,

a second polymer comprising an

ethylene/methacrylic acid/n-butyl acrylate copolymer having a melt index of about .2 to 2 grams/10 minutes, a flexural modulus of 2,000 to 8,000 PSI;

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a plurality of dimples on cover according to a modified dodecahedron pattern;

a great circle path free of dimples, wherein said cover has ten great circle paths;

a plurality of pentagons subdivide said dodecahedron pattern wherein said pentagons are subdivided into a smaller pentagon located within each of said plurality of pentagons;

a plurality of triangles, wherein said triangles subdivide said pentagons;

a plurality of rows, wherein said rows subdivide said triangles.

Claim 19. (original) The golf ball of claim 18 further comprising:

a first row wherein said row is adjacent to an apex of said triangle;

a second row adjacent to said first row;

a third row adjacent to said second row wherein said second row lies between said first row and said third row.

Claim 20. (original) The golf ball of claim 19 further comprising:

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a first dimple arranged to coincide with said first row;

a second dimple arranged to coincide with said second row and said third row; and,

a third dimple arranged to coincide with said third row.

Claim 21. (original) The golf ball of claim 20 wherein said dimples form ten great circle paths free of dimples and wherein said dimples have a dual radius, wherein said dual radius dimples comprise a first radius of about 0.5 to 0.9 inches and a second radius of about 0.9 to 1.3 inches.

Claim 22. (currently amended) The golf ball of claim 21 wherein said cover has 360 dimples, ~~and wherein~~

Claim 23. (original) The golf ball of claim 22 wherein said first dimple has a diameter of 0.10 to 0.13 inches, wherein said second dimple has a diameter of 0.15 to 0.16 inches, and said third dimple 0.13 to 0.15 inches.

Claim 24. (currently amended) A golf ball comprising:

a core with a compression of about 68 PGA to about 75
PGA;

a cover blend comprising:

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a first polymer comprising an
ethylene/methacrylic copolymer having 19% by weight of
acid, a melt index of about 2 to 10 grams/10 min, a
flexural modulus of 60,000 to 80,000 PSI, a shore D
hardness of about 60 to 70; and,

a second polymer comprising an
ethylene/methacrylic acid/n-butyl acrylate copolymer having
a melt index of about .2 to 2 grams/10 minutes, a flexural
modulus of 2,000 to 8,000 PSI;

at least 360 dimples arranged on said cover according
to a dodecahedron pattern ~~wherein said dimples form ten
great circle paths free of said dimples;~~

~~— a plurality of pentagons, wherein said pentagons
subdivide said dodecahedron pattern;~~

~~— a plurality of triangles, wherein said triangles
subdivide said pentagons;~~

~~— a plurality of rows, wherein said rows subdivide said
triangles, wherein said rows comprise:~~

~~— a first row wherein said row is adjacent to an
apex of said triangle;~~

~~— a second row adjacent to said first row;~~

~~— a third row adjacent to said second row wherein~~

~~said second row lies between said first row and said~~

~~third row;~~

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~~a first dimple arranged to coincide with said~~

~~first row,~~

~~a second dimple arranged to coincide with said~~

~~second row and said third row, and,~~

~~a third dimple arranged to coincide with said~~

~~third row.~~

Claim 25. (new) The golf ball of claim 24 wherein said at least 360 dimples arranged on said cover form ten great circle paths free of said dimples.

Claim 26. (new) The golf ball of claim 24 wherein said dodecahedron comprises a plurality of pentagons, wherein said pentagons subdivide said dodecahedron pattern;

a plurality of triangles, wherein said triangles subdivide said pentagons;

a plurality of rows, wherein said rows subdivide said triangles, wherein said rows comprise:

a first row wherein said row is adjacent to an apex of said triangle;

a second row adjacent to said first row;

a third row adjacent to said second row wherein said second row lies between said first row and said third row.

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Claim 27. (new) The golf ball of claim 26 further
comprising:

a first dimple arranged to coincide with said
first row;

a second dimple arranged to coincide with said
second row and said third row, and,

a third dimple arranged to coincide with said
third row.

Claim 28. (new) The golf ball of claim 24 wherein said core
has a diameter of about 1.45 to about 1.60 inches.

Claim 29. (new) The golf ball of claim 24 wherein said core
has a weight of about 32 to about 40 grams.